homematic IP HmIP-WGS Glass Push Button Instruction Manual

July 16, 2025

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HmIP-WGS Glass Push Button

![homematic IP logo]

Installation and Operating Manual

Version 3.1

Package contents

1 Package contents

1x Glass Push-button

1x Mounting module with relay

2x Screws 3,2 x 15 mm Screws 3,2 x 25 mm

1x Operating manual

2 Information about this manual

Read this manual carefully before beginning
operation with your Homematic;IP
device. Keep the manual for later consultation.
If you hand the device over to
other persons for use, please ask them to
read this manual.

Symbols used

⚠ This indicates a hazard.

ℹ This section contains important additional
information.

3 Hazard information

⚠ We accept no liability for damage
caused by use for other than the
intended purpose, incorrect handling
or failure to observe the hazard
warnings. In such cases, all warranty
claims are void. We accept no
liability for consequential damage.

⚠ Do not use the device if it has visible
damage or a malfunction. If you
have any doubts, have the device
checked by a qualified expert.

⚠ For safety and licensing reasons
(CE), unauthorized conversions to
and/or modification of the device
are not permitted.

⚠ The device is not a toy – do not allow

children to play with it.
Plastic film, plastic bags, polystyrene
parts, etc. can be dangerous for
children. Keep the packaging material
out of the reach of children and
dispose of it immediately.

⚠ Clean the device using a soft and
clean lint-free cloth. Do not use any
detergents containing solvents for
cleaning purposes.

⚠ Do not expose the device to moisture,
vibrations, constant solar or
other heat radiation, excessive cold
or mechanical loads. The device
must only be operated indoors.

⚠ Improper use of the device with a
load greater than the specified rated
current or greater than the specified
rated power (overload) will cause
the device to switch off automatically
after a short delay. The safety
switch-off is indicated by an error
message in the app. In the event
of a fault, contact a qualified electrician
to have the overload rectified.

⚠ The device is automatically ready
for operation again after a waiting
time of approx. 30 minutes.

⚠ Overloading the device can lead
to the destruction of the device, to

a fire or to an electrical accident.

⚠ Before connecting a load, check
the technical data, in particular the
maximum permissible connected
load and the type of load to be connected
(load types) in accordance
with the instructions. Load the device
only up to the specified power
limit.

⚠ Loads connected to the output terminals
require sufficient insulation.

⚠ The device may only be installed in
the following device boxes:
• in commercially available
switch sockets (device boxes)
in accordance with DIN 49073-1
• In Legrand Batibox switch boxes

⚠ Failure to observe the installation
instructions may result in fire or
a danger of electric shock. The device
is part of the building installation.

⚠ Observe the relevant national
standards and directives during
planning and installation.

⚠ The device may only be operated
on a 230;V~/50 Hz AC mains power
supply. Work on the 230;V mains
may only be carried out by a qualified
electrician (in accordance with

VDE 0100).

⚠ Observe the permissible cable types and conductor cross sections when connecting to the device terminals.

⚠ The circuit to which the device is connected must be protected by a circuit breaker in accordance with DIN EN 60898-1 (tripping characteristic B or C, max. 16 A rated current, min. 6 kA interrupting rating, energy limiting class 3). The installation regulations in accordance with VDE 0100 and HD384 or IEC 60364 must be observed. The circuit breaker must be easily accessible to the user and marked as the disconnecting device for the actuator.

ⓘ The device is suitable for use only in residential environments.

4 General system information

This device is part of the Homematic;IP Smart Home System and communicates via the Homematic;IP Wireless protocol. All devices in the system can be conveniently and individually configured via the Homematic;IP App. Operation requires connection to a Homematic;IP Access Point or a Central Control Unit. Further information about the system and how to combine it with other

Homematic IP devices is to be found in
the Homematic;IP User guide.
All technical documents and updates are
to be found at www.homematic-ip.com.

5 Function and device overview

The Homematic;IP Glass Push-button
is a 4-channel glass push-button with
touch surfaces that can be integrated
perfectly into your living environment
thanks to its contemporary design and
55;mm frame dimensions. You can configure
the glass push-button as either
a 1-, 2- or 4 channel button. The control
panels are separated visually from
each other by light strips in accordance
with how you have configured the Glass
Push-button.

The Homematic IP Mounting Module
with switching output (HmIP-MMR), installed
in a switch box, is used as the
base for the Glass Push-button. The
mounting module also has a relay output
and an extension input for setting up
button circuits, for example.

Device overview

A) Touch surface
B) Frame (available separately)
C) Connecting terminal for 1 (lamp/ correspondent (normally open))
D) Connecting terminal for L (phase conductor)
E) Connecting terminal for N (neutral conductor)

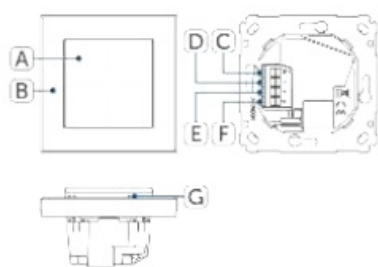F) Connection terminal for S1 (extension unit input)

G) System button (device LED)

Figure 3

6 Start-up
6.1 Installation instructions

ⓘ   Read this section completely before starting installation.

ⓘ   Make a note of the device number (SGTIN) and the installation location of the device before installation to make it easier to identify the device later. The device number can also be found on the enclosed QR code sticker.

⚠   Please observe the hazard warnings during installation see (Hazard information), page 3.

⚠   Please note the insulation stripping length of the conductor being connected, as indicated on the device.

⚠   The installation may only be carried out in commercially available switch boxes (device boxes) in accordance with DIN 49073-1 or Legrand Batibox switch boxes.

If changes to or work on the house installation
are necessary (e.g. extension,
bypass of switch or socket inserts) or to/
on the low-voltage distribution system
for mounting or installing the device, the
following safety instructions must be observed:

The installation may only be carried
out by persons with the relevant
electrical engineering knowledge
and experience!*

Incorrect installation can endanger

- your own life,
- and the lives of other users of the electrical system.

Incorrect installation also means that
you are running the risk of serious damage
to property, e.g. due to fire. You risk
personal liability for personal injury and
property damage.

Consult an electrician!
*Specialist knowledge required for installation:

The following specialist knowledge is
particularly important during installation:

- The "5 safety rules" to be used:
  – Disconnect from mains
  – Secure against restart
  – Check for absence of voltage
  – Earth and short circuit
  – Cover or cordon off neighboring live parts

- Selection of suitable tools, measuring equipment and, if necessary, personal protective equipment;
- Evaluation of measuring results.
- Selection of electrical installation material for safeguarding shut off conditions.
- IP protection types.
- Installation of electrical installation material.
- Type of supply network (TN system, IT system, TT system) and the resulting connection conditions (classic zero balancing, protective earthing, required additional measures, etc.).

Permitted cable cross sections for connecting to the device are: ridig and flexible cable, 0,75 -2,5;mm²

6.2 Installation

Install the device as follows:

- Switch off the fuse of the power circuit.
- Remove the cover of your existing switch.

⚠ Use a flat pointed object, e.g. a flatblade screwdriver, to make disassembly easier.

- Disconnect the wiring and remove the existing switch.
- Connect the phase conductor to connecting terminal L of the mounting module.
- Connect the neutral conductor

to connecting terminal N of the

mounting module.

- Connect the cable the lamp to connecting

  terminal 1 of the mounting

  module.

- Optional: Connect the extension input

  to connection terminal S1 of the

  mounting module.

- Place the mounting module in

  the switch box and fasten it to the

  switch box using the screws supplied.

- Place the frame of your installation

  onto the mounting module.

- Fit the device to the mounting

  module by fully engaging the connecting

  pins in the holder provided

  in the mounting module.
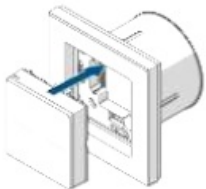
- Switch the fuse of the power circuit

  on again see (Installation instructions),

  page 5 to activate the

  device pairing mode.

6.3 Pairing with a control unit

ⓘ   Read this entire section before

starting the pairing procedure.

ⓘ   Set up your Homematic IP

Central Control Unit via the

Homematic IP App so that you can use Homematic IP devices in the system. Detailed information on this is to be found in the operating manual for the Central Control Unit..

Proceed as follows to pair the device with your control centre:

- Open the Homematic;IP App.
- Tap on …More inn the homescreen.
- Tap on Pair device.
- Connect the power supply.
- The pairing mode is active for 3 minutes.

i   You can manually start the pairing mode for another 3 minutes by pressing the system button shortly.
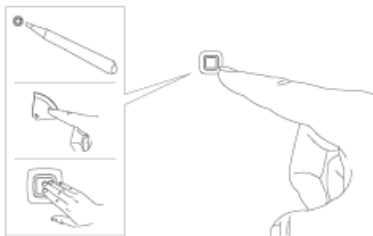
Start-up

Figure 5

i   The type of system button depends on your device. Further information is to be found in the device overview.

- Your device will automatically appear in the Homematic;IP App.
- Enter the last four digits of the device number (SGTIN) in your app or scan the QR code. The device number can be found on the sticker supplied or attached to the device.

- Wait until pairing is completed.
- If pairing was successful, the device LED lights up green.
- The device is now ready for use.

i If the device LED lights up red to, please try again (Flash codes), page 10.

- Finally, follow the instructions in the Homematic;IP App.

7 Operation

If you have paired the device with a Homematic; IP Central Control Unit, additional configurations are available in the device settings:

- Backlighting: You can link and control the backlighting of the device with a time profile.
- Buttons: You can configure the device as a 1-channel, 2-channel or 4-channel button. The control panels are separated visually from each other by light strips in accordance with how you have configured the Glass Push-button. You can assign the push-button channels to the climate control, light and shading or security solutions. You can also configure the Action on power supply (on/off) for each channel.
- Extension input: You can specify the mode in which the extension input is to be operated.

- Button behaviour including long
  button press
- Switch behaviour when switching
  between open and closed
- Quick action: Quick action describes
  the simultaneous pressing
  of all buttons with the palm of the
  hand. The function is deactivated
  by default. Once activated, the
  quick action is another configurable
  channel in groups.

8 Troubleshooting
8.1 Command not confirmed

If at least one receiver does not confirm
a command, the device LED lights
up red at the end of the failed transmission
process. The reason for the failed
transmission may be radio interference.
This may be caused by the following: see
(General information about wireless operation),
page 11

- Receiver cannot be reached.
- Receiver is unable to execute the command (load failure, mechanical blockage, etc.)
  or
- Receiver is faulty.

8.2 Duty cycle

The duty cycle is a legally regulated limit
of the transmission time of devices in the
868 MHz range. The aim of this regulation
is to safeguard the operation of all

devices working in the 868 MHz range.
In the 868 MHz frequency range we use,
the maximum transmission time of any
device is 1% of an hour (i.e. 36 seconds in
an hour). Devices must cease transmission
when they reach the 1% limit until
this time restriction ends. Homematic;IP
devices are designed and produced with
100% conformity to this regulation.
During normal operation, the duty cycle
is not usually reached. However, repeated
and radio-intensive pairing processes
mean that it may be reached in isolated
instances during start-up or initial installation
of a system. If the duty cycle is
exceeded, this is indicated by three slow
red flashes of the device LED, and may
manifest itself in the device temporarily
working incorrectly. The device will start
working correctly again after a short period
(max. 1 hour).

Troubleshooting
8.3 Flash codes

Flash code	Meaning	Solution
1x orange and 1x green light	Test display	You can continue once the test display has stopped.
Short orange flashes (every 10 s)	Pairing mode active	Enter the last four digits of the device number (SGTIN) in your app or scan the QR code.
Short orange flashes	Transmission of configuration data	Wait until the transmission is completed.
Brief orange flashing (followed by a steady green light)	Transmission confirmed	You can continue operation.
Brief orange flashing (followed by a steady red light)	Transmission failed or duty cycle limit reached	Please try again see (Command not confirmed), page 9 or see (Duty cycle), page 9.
6x long red flashes	Device defective	Please see the display on your app for error messages or contact your retailer.
Alternating long and short orange flashing	Software update (OTAU)	Wait until the update is completed.

9 Restoring factory settings

ⓘ The factory settings of the device can be restored. If the device is paired with a Central Control Unit, the configurations are automatically restored. If the device is not paired with a Central Control Unit, all the settings are lost.

Proceed as follows to restore the factory settings of the device:

- Press and hold the system button for 4 seconds (Fig. 7)
- The device LED starts flashing orange quickly.
- Release the system button.
- Press and hold the system button for 4;s.
- The device LED lights up green.
- Release the system button to finish

restoring the factory settings.

The device will perform a restart.

ⓘ If the device LED lights up red
to, please try again (Flash codes), page 10.

10 Maintenance and cleaning

ⓘ The device is maintenance-free for you.
Leave any maintenance or repair to a specialist.

Clean the device using a soft, clean, dry
and lint-free cloth. The cloth can be
slightly dampened with lukewarm water
to remove more stubborn marks. Do not
use any detergents containing solvents
for cleaning purposes. They could corrode
the plastic housing and label.

11 General information about

wireless operation
Radio transmission is performed on a
non-exclusive transmission path, which
means that there is a possibility of interference
occurring. Interference can also
be caused by switching operations, electrical
motors or defective electrical devices.

ⓘ The range inside buildings can differ
greatly from that in open air. Besides
the transmitting power and
the reception characteristics of the
receiver, environmental factors such
as humidity in the vicinity play an

important role, as do on-site structural/screening conditions.

Declaration of conformity

eQ-3 AG, Maiburger Str. 29, 26789 Leer, Germany, hereby declares that the wireless system type Homematic;IP HmIPWGS, HmIP-WGS-A complies with Directive 2014/53/EU. The full text of the EU declaration of conformity can be found at: www.homematic-ip.com

12 Disposal

This symbol means that the device must not be disposed of as household waste, general waste, or in a yellow bin or a yellow sack. For the protection of health and the environment, you must take the product and all electronic parts included in the scope of delivery to a municipal collection point for waste electrical and electronic equipment to ensure their correct disposal. Distributors of electrical and electronic equipment must also take back waste equipment free of charge. By disposing of it separately, you are making a valuable contribution to the reuse, recycling and other methods of recovery of old devices. Please also remember that you, the end user, are responsible for deleting personal

data on any waste electrical and
electronic equipment before disposing
of it.

The CE mark is a free trademark that
is intended exclusively for the authorities
and does not imply any assurance
or guarantee of properties.

If you have any technical questions
about the appliance, please contact
your specialist dealer.

13 Technical specifications

Short description HmIP-WGS, HmIP-WGS-A

Supply voltage 230 V/50 Hz

Degree of protection IP20

Ambient temperature 5 – 35°C

Weight 110 g

Dimensions without frame (W x H x D) HmIP-MMR: 71 x 71 x 36 mm HmIPWGS-
F: 54.5 x 54.5 x 29 mm

Current consumption 6 A

Max. switching capacity 1380 W

Standby power consumption 0.65 W

Minimum load for cross or two-way circuits 1 W

Relay 1x NO contact

Cable type and cross section rigid and flexible cable, 0.75 – 2.5 mm²

Installation Only in normal commercial switch boxes
(device boxes) in accordance with
DIN 49073-1., Only in Batibox-type
switch boxes from Legrand

Typical Open area RF range 120 m

Radio frequency band 868.0-868.6 MHz / 869.4-869.65 MHz

Duty cycle < 1% per h / < 10% per h

Receiver category SRD category 2

Maximum radiated power 10 dBm

Technical specifications

Load type		Relay
Resistive load		6 A
Light bulb test		1000 W
Self-ballasted lamps (LED/compact fluorescent lamp)		200 W
HV halogen lamps		1000 W
Electronic transformers for LV halogen lamps		1000 W
Iron core transformers for LV halogen lamps		1000 W
Fluorescent lamps (uncompensated)		1000 W
Fluorescent lamps (parallel compensated)		
Electric radiators and other electric heating systems (ohmic load)		3,5 A (200.000 Switching cycles)
Motor load		2,2 A

Subject to modifications.

Free download of the Homematic;IP app!
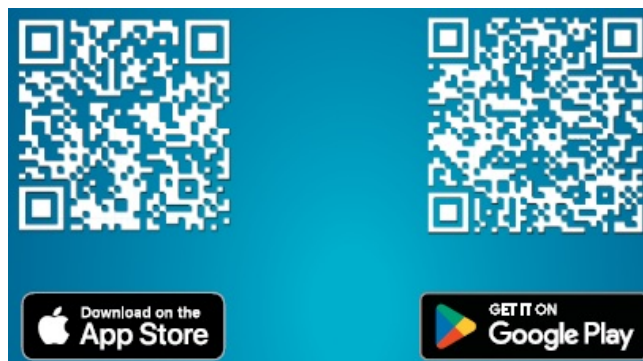
Bevollmächtigter des Herstellers:

Manufacturer's authorised representative:

eQ-3

eQ-3 AG

Maiburger Straße 29

26789 Leer / GERMANY

Documents / Resources

	[homematic IP HmIP-WGS Glass Push Button](#) [[pdf](#)] Instruction Manual HmIP-WGS, HmIP-WGS Glass Push Button, Glass Push Button, Push Button

References

- [User Manual](#)

🗂 Homematic IP   🏷 Glass Push Button, HmIP-WGS, HmIP-WGS Glass Push Button, Homematic IP, Push Button

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